GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A387 Grade 22L Class 1

Standard Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A387 Grade 22L Class 1 Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Plates

Chemical Composition		
Carbon	C %	0.100 max.
Manganese	Mn %	0.300 - 0.600
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Silicon	Si %	0.500 max.
Chromium	Cr %	2.000 - 2.500
Molybdenum	Mo %	0.900 - 1.100
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing & Tempering

Mechanical Properties	
Tensile Strength in Mpa	415 - 585
Yield Strength in Mpa	205 min.
Elongation in %	18 min.
Reduction of Area in %	45 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1502 622	B.S.	United Kingdom	Steel and Bars
A 36-210 12 CD 9-10	AFNOR NF	France	Steel and Plates
A 336 Grade F22	ASTM	USA	Forging
A 336 Grade F22A	ASTM	USA	Forging
A 739 Grade B 22	ASTM	USA	Steel and Bars
G 4109 SCMV 4	JIS	Japan	Steel and Plates
SA-387 Grade 22L	ASME	USA	Steel and Plates

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.